

December 2, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of December 5, 2016:

None

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of December 5, 2016 may affect CPC:

RFC #2612 – TGGATE goes live in Boulder, effective December 6 at 1500Z.

RFC #2635 – GISC-Washington is being declared live in Boulder effective December 6 at 1400Z. GISC-Washington will be the first international GISC site to have a backup location.

RFC #2641 - The NWSTG LDM system in Boulder, CO will become the primary NWSTG LDM processing and dissemination system. College Park will become secondary. The NCO Director's brief is scheduled for December 6. If approved at that briefing, this implementation will occur on December 8 at 1300Z.

The following NCO RFCs are in progress and may affect CPC:

None

Ocean Prediction Center

The following accelerated items were implemented this past week:

RFC #797 – ‘missing_maps_check.pl’ v2016.12.01 - The TG has a list of OPC broadcast charts that have been "missed" - usually caused by the source file not arriving from OPC before broadcast deadline. On December 1, the TG erroneously listed several dozen OPC products that were not sent, which caused OPC's monitoring script to send continuous email notifications and forecaster workstation popup messages about missed charts. This same problem occurred on Nov 21, 2016. The OPC monitoring script has been turned off for now and will be turned back on once the problem has been corrected. OPC has contacted NCO for help resolving the problem. Implemented on December 1 at 2125Z.

RFC #798 – ‘check_computer_health.csh’ v2016.12.01 - Change Compute Farm disk space usage notification threshold from 85% to 90% to stop text messages from continuously going to OAB staff. A Compute Farm disk partition is slowly filling up but it will take more time to investigate what data needs to be scrubbed. Implemented on December 1 at 2200Z.

The following will be implemented the week of December 5, 2016:

RFC #799 – ‘datatype.tbl’ and ‘grid_cat.tbl’ v2016.12.05 - Add parallel NAM data sources to NMAP2 for forecaster evaluation. To be implemented on December 5 at 1230Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of December 5, 2016 may affect OPC:

RFC #2612 – TGGATE goes live in Boulder, effective December 6 at 1500Z.

RFC #2630 – Update the product and warning scripts that are part of the product parser for weather.gov to handle mixed case warnings properly for the WWAMap and warning displays. To be implemented on December 5 at 1700Z.

RFC #2634 – decod_dcmetr v3.1.0 - The METAR decoder is being patched to properly decode visibility values from certain U.S. military sites which mis-encode their reports during overnight times when the site is operating in automatic mode but the wind sensor is broken. To be implemented on December 6 at 1330Z.

RFC #2635 – GISC-Washington is being declared live in Boulder effective December 6 at 1400Z. GISC-Washington will be the first international GISC site to have a backup location.

RFC #2636 – GFSMOS v5.0.4 - On November 15, MDL discovered input files were not being assimilated into the extended range CONUS WxGrids. This RFC fixes the copy of several input files into the correct working directory to be assimilated. To be implemented on December 6 at 1500Z.

RFC #2637 - Update the Dataflow mirror on WCOSS to account for Navy filename changes of the JASON2 satellite data. To be implemented on December 6 at 1500Z.

RFC #2638 – Sybase v15.7 - Implement bcping data from the active dbs to the reporting database dbhist every 4 hours. Replication to the reporting database in CPTG is currently disabled due to system overload. This method is provided as a temporary workaround. This will restore outside partners' FADD capability. To be implemented on December 6 at 1530Z and should be completed by December 9.

RFC #2641 - The NWSTG LDM system in Boulder, CO will become the primary NWSTG LDM processing and dissemination system. College Park will become secondary. The NCO Director's brief is scheduled for 12/6. If approved at that briefing, this implementation will occur on December 8 at 1300Z.

RFC #2644 - Pull in ASCAT data from the DDS, write it to disk (on the Compute Farm, at the request of the Centers) and send it to NHC systems. To be implemented on December 8 at 1500Z.

The following NCO RFCs are in progress and may affect OPC:

RFC #2588 - Upgrade Red Hat v5 operational workstations to Red Hat v6 due to the end of life approaching for Red Hat v5. This is an ongoing project with one to

two upgrades per week. Upgrades began on November 28 and should be completed by February 28, 2017. No OPC workstations are scheduled for this week.

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of December 5, 2016:

RFC #800 – Add entries to the ‘datatype.tbl’ and ‘mod_res.tbl’ files to allow the display of the 5 km winter weather ensemble in NMAP. Also install new restore files. To be implemented on December 5 at 1400Z.

RFC #801 - Modify the PWPF (Probabilistic Winter Precip Forecast) product generation scripts to use two different reference dates in the WMO headers to distinguish the preliminary GRIB2 files from the final GRIB2 files. This will allow both sets to be correctly routed over the SBN and prevents grids from being flagged as duplicates. To be implemented on December 7 at 1800Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of December 5, 2016 may affect WPC:

RFC #2612 – TGGATE goes live in Boulder, effective December 6 at 1500Z.

RFC #2624 – IDP MADIS v2.1.5 - Upgrade of MADIS to v2.1.5 to include the following:

- Add new surface datasets
- Add eddy dissipation rate (EDR) data (NOAA Only)
- Add new data providers for existing datasets
- Add HADS and SNOTEL processing as part of TG migration. Implementation to

begin on December 5 at 1500Z and by completed by December 23.

RFC #2630 – Update the product and warning scripts that are part of the product parser for weather.gov to handle mixed case warnings properly for the WWAMap and warning displays. To be implemented on December 5 at 1700Z.

RFC #2631 – HRRR v2.0.6 - With the arrival of the cold season, the runtimes for the snow processing portion of the HRRR analysis job have increased significantly during 00Z cycles. Most of the print statements will be removed from the 'hrrr_process_imssnow' executable to reduce this increase in runtime from approximately 5.5 minutes to approximately 2 minutes. To be implemented on December 5 at 1850Z.

RFC #2634 – decod_dcmetr v3.1.0 - The METAR decoder is being patched to properly decode visibility values from certain U.S. military sites which mis-encode their reports during overnight times when the site is operating in automatic mode but the wind sensor is broken. To be implemented on December 6 at 1330Z.

RFC #2635 – GISC-Washington is being declared live in Boulder effective December 6 at 1400Z. GISC-Washington will be the first international GISC site to have a backup location.

RFC #2636 – GFSMOS v5.0.4 - On November 15, MDL discovered input files were not being assimilated into the extended range CONUS WxGrids. This RFC fixes the copy of several input files into the correct working directory to be assimilated. To be implemented on December 6 at 1500Z.

RFC #2638 – Sybase v15.7 - Implement bcping data from the active dbs to the reporting database dbhist every 4 hours. Replication to the reporting database in CPTG is currently disabled due to system overload. This method is provided as a temporary workaround. This will restore outside partners' FADD capability. To be implemented on December 6 at 1530Z and should be completed by December 9.

RFC #2641 - The NWSTG LDM system in Boulder, CO will become the primary NWSTG LDM processing and dissemination system. College Park will become secondary. The NCO Director's brief is scheduled for 12/6. If approved at that briefing, this implementation will occur on December 8 at 1300Z.

RFC #2644 - Pull in ASCAT data from the DDS, write it to disk (on the Compute Farm, at the request of the Centers) and send it to NHC systems. To be implemented on December 8 at 1500Z.

The following NCO RFCs are in progress and may affect WPC:

RFC #2588 - Upgrade Red Hat v5 operational workstations to Red Hat v6 due to the end of life approaching for Red Hat v5. This is an ongoing project with one to two upgrades per week. Upgrades began on November 28 and should be completed by February 28, 2017. WPC's bawx workstation is scheduled to be upgraded on December 8.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.